UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/627,690	07/28/2003	Andrzej Wozniak	T2147-908580	3214

		EXAMINER
181 7590 11/30/2005		LIN, SUN J

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ART UNIT	PAPER NUMBER
2825	

DATE MAILED: 11/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)
Office Action Summary		10/627,690	WOZNIAK, ANDRZEJ
		Examiner	Art Unit
		Sun J. Lin	2825

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>07 September 2005</u>.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>9-26</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>9-24</u> is/are rejected.

7)☒ Claim(s) <u>25 and 26</u> is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>28 July 2003</u> is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All b)☐ Some * c)☐ None of:

      1.☐ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

1.   This office action is in response to Amendments filed on 09/07/2005 regarding patent application S/N 10/627,690 filed on 07/28/2003. Claims 1 – 8 are cancelled without prejudice. Claims 9 – 26 remain pending in the application.

Claim Objections

2.   Claims listed below are objected to because of the following informalities:

Claim 1, line 7, before "initialization" delete —**the**—.

Claim 1, line 7, change ", during which" to —**in which**—.

Claim 1, line 11, after "each" insert —**of**—.

Claim 25, line 2, before "server" delete —**first**—.

Claim 25, line 5, before "client" delete —**second**—.

Claim 25, line 1 – 2, change "to automatically test recognition of configurations" to —**for automatic recognition of available simulation configurations**—.

Claim 25, line 2, change "claim 17" to —**claim 25**—.

Claim 25, line 2, change "second manager" to —**client manager**—.

Claim 25, line 3, change "the test" to —**a test**—.

Claim 25, line 4, change "the response" to —**a response**—.

Appropriate corrections are required.

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

(1).   Determining the scope and contents of the prior art.
(2).   Ascertaining the differences between the prior art and the claims at issue.
(3).   Resolving the level of ordinary skill in the pertinent art.

(4).   Considering objective evidence present in the application indicating obviousness
or nonobviousness.

4.   Claims 25 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable

over U.S. Patent Application Publication No. 2001/0043237 A1 to _Schmieder_ in view of

U.S. Patent No. 5,953,707 to _Huang et al._

5.   As to Claim 25, _Schmieder_ shows and discloses the following subject matter:

- Web-based engineering design – [Paragraph 0013];
- A system for distributing computer simulations in a network environment ...
  the system comprises networked computers including _Manager, Client_ and
  Server– [abstract]; manager, _groups of servers, group of clients_ – [Paragraph
  0123 – 0129];
- Server contains an unique identifier of its simulated product (i.e., simulation)
  ...Client maintains a list (i.e., a table) of simulations provided by a group of
  servers – [Paragraph 0127];
- Through Manager, Client requests a document from Server and triggers the
  reassembly of the simulation on the Client using locally stored _components_
  (i.e., _configuration model_) – [abstract].

Schmieder discloses communicating between Server and Client through a

Manager in a network system, he does teach a network system comprises a server

manager and a client manager. _Huang et al._ show and teach this subject matter in Fig.

35 – 36.   As noticed in Fig. 36 (1) Server Manager contains a list of Servers (i.e.,

simulation components) that provide various simulations) (2) Client Manger contains a

list of Clients having various configuration models and requiring different simulations (3)

information (e.g., configuration models) associated with all Clients is registered in a

storage table in a memory. Notice that the _Client Manager 320_ has a means of

formulating a request message, which is being interpreted by _Request Interpreter 322_

and being forwarded to the _Server Manager 324_ in order to reduce loading (e.g., data

storage etc.) of individual client and to efficiently and accurately exchange simulation

message between a client and a desired server.

Therefore, it would have been obvious at the time the invention was made to a person having ordinary skill in the art to have applied the teachings of _Huang et al._ show and teach in comprising a Server Manager and a Client Manager in a networked simulation system in order to reduce loading (e.g., data storage etc.) of individual client and to efficiently and accurately exchange simulation message between a client and a desired server.

6.   As to Claim 25, in addition to reasons given above, _Schmieder_ discloses that based on a request (i.e., response) from a client, the Client (Manager) can trigger (i.e., activate) re-assembly of the simulation using locally stored components – [abstract]. Notice that re-assembly is due to modification of certain components (i.e., parts) in the configuration.

Allowable Subject Matter

7.   Claims 9 – 24 are allowed. Those claims are allowed is because that the prior art does not teach or fairly suggest the following subject matter:

- A method for automatic recognition of available simulation configurations of integrated circuits through a simulation test comprising acquiring a simulation configuration by a server manager, associated with a simulation, during initialization of a simulator program in which all constructors of HLL (C++) instances of components present in a current global simulation models are call in combination with other limitations as recited in independent Claim 9.

Conclusion

8.   Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sun J Lin whose telephone number is (571) 272 - 1899. The examiner can normally be reached on Monday-Friday 9:30AM - 6:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew S Smith can be reached on (571) 272 - 1907. The fax phone

number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sun James Lin
Patent Examiner
Art Unit 2825
November 22, 2005